

Product datasheet for **RG211969**

AFM (NM_001133) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AFM (NM_001133) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AFM
Synonyms:	ALB2; ALBA; ALF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211969 representing NM_001133
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAACTACTAAAACCTTACAGTTTTATTTTTTTCTGTTTTTTTTACTGAATCCCTAACCTGCCCA
 CACAACCTCGGGATATAGAGAACTCAATAGTACTCAAAAATTTATAGAAGATAATTGAATACATCAC
 CATCATTGCATTTGCTCAGTATGTTGAGGAAGCAACCTTTGAAGAAATGGAAAAGCTGGTAAAGACATG
 GTAGAATACAAAGACAGATGTATGGCTGACAAGACGCTCCAGAGTGTCAAATTAACCTAATAATGTTT
 TACAGGAAAAATATGTGCTATGGAGGGCTGCCAAAAAGCATAATTTCTCACACTGCTGCAGTAAAGT
 TGATGCTCAAAGAAGACTCTGTTTCTTCTATAACAAGAAATCTGATGTGGGATTTCTGCCTCCTTCCCT
 ACCCTGGATCCCGAAGAGAAATGCCAGGCTTATGAAAGTAAACAGAGAATCCCTTTAAATCACTTTTTAT
 ATGAAGTTGCCAGAAGGAACCCATTTGTCTTCGCCCTACACTTCTAAGTGTGCTGTTTATTTGAGGA
 GGTGGCCAAATCATGTTGTGAAGAACAACAAAGTCAACTGCCTCAAACAAGGCAATACCTGTCACA
 CAATATTTAAAAGCATTTTCTTCTATCAAAAACATGTCTGTGGGCACTTTTGAATTTGGAACCAAAG
 TTGTACACTTTATATATATTGCGATACTCAGTCAAAAATTCCTCAAGATTGAATTTAAGGAGCTTATTT
 TCTTGTAGAAGATGTTTCTTCCAATATGATGGATGCTGTGAAGGGGATGTTGTGCACTGATCCGTGAC
 ACGAGCAAGGTTATGAACCATATTTGTTCAAAAACAAAGTCTATCTCCAGCAAAAACAAAGAGTGTGTG
 AAAAGAAAATACCAGAGCGCGCCAGTGCATAATTAACCTCAAACAAGATGATAGACCAAAGGATTTATC
 TCTAAGAGAAGGAAAATTTACTGACAGTAAAAATGTGTGTCAAGAACGAGATGCTGACCCAGACACCTTC
 TTTGCGAAGTTTACTTTTGAATACTCAAGGAGACATCCAGACCTGTCTATACCAGAGCTTTTAAAGAAATG
 TTCAAATATACAAAGATCTCTGAGAAATGCTGCAACACAGAAAACCTCCAGGTTGTTACCGTTACGC
 GGAAGACAAATCAATGAGACAACCTGAGAAAAGCCTCAAGATGGTACAACAAGAATGTAACCATTTCCAG
 AATTTGGGGAAGGATGGTTTGAATACCATACCTCATCAGGCTCACGAAGATAGCTCCCAACTCTCCA
 CTGAAGAAGTGGTGTCTCTTGGCGAGAAAATGGTACAGCTTTCACTACTTGCTGTACGCTAAGTGAAGA
 GTTTGCCTGTGTTGATAATTTGGCAGATTTAGTTTTTGGAGAGTTATGTGGAGTAAATGAAAATCGAACT
 ATCAACCTGCTGTGGACACTGCTGTAACAACAACTTTGCCTCAGAAGGCCCTGCTTTGAGAGTTTGA
 AAGCTGATAAAACATATGTCCTCCACCTTTCTCTCAAGATTTATTTACCTTTACGCAGACATGTGTCA
 ATCTCAGATGAGGAGCTTCAGAGGAAGACAGACAGGTTTCTTGTCAACTTAGTGAAGCTGAAGCATGAA
 CTCACAGATGAAGAGCTGCAGTCTTTGTTTACAAATTTGCAAAATGTAGTGGATAAGTGTGCAAAAGCAG
 AGAGTCTGAAGTCTGCTTAAATGAAGAGAGTCCAAAAATTTGGCAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG211969 representing NM_001133
 Red=Cloning site Green=Tags(s)

MKLLKLTGFIFFLFFLTESLTLPTQPRDIENFNSTQKFIEDNIEYITIIAFAQYVQEATFEEMKLVKDM
 VEYKDRCMADKTLPECSKLPNNVLQEKICAMEGLPQKHNF SHCCSKVDAQRRLCFFYNKSDVGFPPFP
 TLDPEEKQAYESNRESLLNHFLYEVARRNPFVFAPTLLTVAVHFEEVAKSCCEEQNKVNLQTRAIPTV
 QYLKAFSSYQKHVCGALLKFGTKVVFHYIYAILSQKFPKIEFKELISLVEDVSSNYDGCCEGDVVQCIRD
 TSKVMNHICSKQDSISSKIKECCEKKIPERGQCIINSNKDDRPKDLSLREGKFTDSENVQERDADPDTF
 FAKFTFEYSRRHPDLSIPELLRIVQIYKDLLRNCNTENPPGCYRYAEDKFNETTEKSLKMWQVECKHFQ
 NLGKDGLKYHYLIRLTKIAPQLSTEELVSLGKCMVTAFTTCTLSEEFACVDNLADLVFVGLCGVNEVRT
 INPAVDHCCCKTNFAFRPCFESLKADKTYVPPFSQDLFFHADMCQSQNEELQRKTDRFLVNLVKLKHE
 LTDEELQSLFTNFANVVDKCKAESPEVCFNEESPKIGN

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001133

ORF Size: 1797 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001133.2](#), [NP_001124.1](#)

RefSeq Size: 1997 bp

RefSeq ORF: 1800 bp

Locus ID: 173

UniProt ID: [P43652](#)

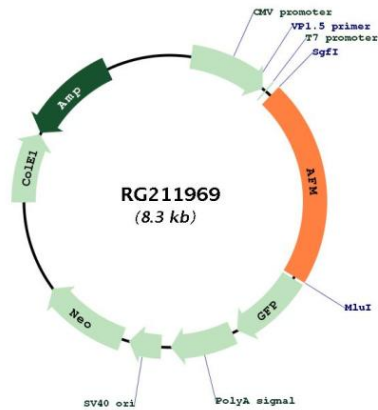
Cytogenetics: 4q13.3

Domains: ALBUMIN

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: This gene is a member of the albumin gene family, which is comprised of four genes that localize to chromosome 4 in a tandem arrangement. These four genes encode structurally-related serum transport proteins that are known to be evolutionarily related. The protein encoded by this gene is regulated developmentally, expressed in the liver and secreted into the bloodstream. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG211969